

WHAT IS CLAIMED IS:

1. A method for isolating a polypeptide as a purified polypeptide-antibody complex from a sample containing the polypeptide comprising:
  - 5 (a) contacting an antibody capture affinity ligand (ACAL) with a sample containing a polypeptide to be recovered from said sample, in the presence of an antibody that binds to said polypeptide to be isolated, under conditions promoting said contacting, to form a complex of said polypeptide, antibody and ACAL;
  - (b) introducing the complex formed in step (a) to a spin column comprising  
10 a resin that binds said ACAL;
  - (c) centrifuging the column of (b);
  - (d) optionally washing the column of (c) with lysis buffer; and
  - (e) washing the column from (d) with elution buffer to elute the polypeptide-antibody complex;
  - 15 thereby recovering a purified polypeptide-antibody complex.
2. The method of claim 1 wherein said sample is a cell lysate.
3. The method of claim 1 wherein the elution buffer of step (e) is  
20 imidazole.
4. The method of claim 1 wherein the lysis buffer of step (d) is a Tris buffer.
5. The method of claim 1 wherein said ACAL comprises a single antibody  
25 binding domain of Protein A or Protein G or mixture of the two with an attached tag that operates to reversibly bind the resin of step (b).
6. The method of claim 5 wherein said ACAL comprises a single antibody  
30 binding domain of Protein A.

7. The method of claim 5 wherein said ACAL comprises a single antibody binding domain of Protein G.

8. The method of claim 5 wherein said ACAL comprises a mixture of  
5 single antibody binding domains of Protein A and Protein G.

9. The method of claim 5 wherein said tag is a polyhistidine tag.

10. The method of claim 8 wherein the tags on the single antibody binding  
10 domain of Protein A and Protein G are detectibly different.

11. The method of claim 5 wherein said tag comprises a cysteine residue  
at the terminus of the Protein A or Protein G portion of said ACAL, which cysteine  
tag produces oxidative attachment to the resin of step (b).

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12. A method for isolating a polypeptide as a purified polypeptide-antibody complex from a sample containing the polypeptide comprising:

(a) contacting said sample, containing a polypeptide to be recovered, with  
an antibody that binds said polypeptide, under conditions promoting said  
20 contacting, to form a polypeptide-antibody complex;

(b) introducing the complex formed in step (a) to a spin column containing  
a nickel-chelate resin that binds said antibody;

(c) centrifuging the column of (b);

(d) optionally washing the column of (c) with lysis buffer; and

25 (e) washing the column from (d) with elution buffer to elute the  
polypeptide-antibody complex;

thereby recovering a purified polypeptide-antibody complex.

13. The method of claim 12 wherein said sample is a cell lysate.

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14. A kit comprising a set of instructions for carrying out the method of claim 1 and a spin column.

5 15. The kit of claim 14 further comprising at least one member selected from the group consisting of an antibody capture affinity ligand (ACAL), an antibody, a sample of a lysis buffer, and a sample of an elution buffer, each said member, when included in said kit, being in sufficient quantity to be useful for the isolation of at least one polypeptide by the method of claim 1.

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